

## **ABSTRACT**

According to the present invention, there is provided a system to provide autonomically zoning of storage area networks based on system administrator defined policies. This will allow system administrators to manage the storage area network zones from a single window of control and also remove the responsibility of managing switch ports to the underlying autonomic system. Furthermore, the system administrator can specify policies that can change with the growth of the storage network infrastructure. The system includes an autonomic zoning management module to autonomically generate zoning plans pertaining to a network, according to a combination of each device in the network's connectivity information and user generated policies.